Listing and Amendments to the Claims

This listing of claims will replace the claims that were annexed to the International Preliminary Report on Patentability:

1. (currently amended) A device ~~Device~~ adapted to belong to a community of networked devices, ~~characterized in that~~ said device ~~(x)~~ ~~contains~~ comprising:

a provable identity ~~(id$_x$)~~ and/or means for generating and/or obtaining a provable identity;

means ~~(12)~~ adapted to store information about devices of the community having trust relationships with said device ~~(x)~~;

means ~~(12)~~ adapted to store information about devices not trusted by said device ~~(x)~~; and

means for trust relationships synchronization.

2. (currently amended) The device ~~Device~~ according to claim 1, wherein said means for storing information about devices not trusted by said device ~~(x)~~ ~~contain~~ stores information comprising information about devices of the community having had trust relationships with said device ~~(x)~~ in the past but not having anymore.

3. (currently amended) The device ~~Device~~ according to ~~one of claims~~ claim 1 ~~or 2~~, wherein the information about devices ~~contains~~ comprises the provable identity ~~(id$_j$)~~ of said devices.

4. (currently amended) The device ~~Device~~ according to ~~one of claims~~ claim 1~~, 2 or 3~~, wherein said device ~~(x)~~ is furthermore designed to store information comprising proofs ~~(S$_j$(id$_x$))~~ received from other devices ~~(j)~~ of the community that said device ~~(x)~~ is trusted by other devices ~~(j)~~.

5. (currently amended) The device ~~Device~~ according to ~~one of the preceding claims~~ claim 1, wherein said means for trust relationship synchronization

comprise means to exchange information with other devices of the community about
devices trusted and/or not trusted by other devices of the community.

6. (currently amended)   The device ~~Device~~ according to ~~one of the
preceding claims~~ claim 1, wherein said device ~~(x)~~ ~~contains~~ comprises:
a first object ~~(MT(x))~~ capable of containing identities of devices trusted
by said device ~~(x)~~ and trusting said device ~~(x)~~;
a second object ~~(UT(x))~~ capable of containing identities of devices trusted
by said device ~~(x)~~; and
a third object ~~(DT(x))~~ capable of containing identities of devices
distrusted by said device ~~(x)~~.

7. (currently amended)   The device ~~Device~~ according to claim 6 ~~in
combination with claim 5~~, wherein said device is able to modify the content of said
first object ~~(MT(x))~~ and/or said second object ~~(UT(x))~~ and/or said third object
~~(DT(x))~~ as a function of information exchanged with other devices of the community.

8. (currently amended)   The device ~~Device~~ according to claim ~~5~~ 6,
wherein said first object ~~(MT(x))~~ and/or said second object ~~(UT(x))~~ and/or said third
object ~~(DT(x))~~ are furthermore able to contain cryptographic material.

9. (currently amended)   The device ~~Device~~ according to ~~one of claims~~
claim 6 ~~or 7~~, wherein said first device ~~(x)~~ is furthermore able to banish another device
~~(y)~~ of said community if the identity ~~(id_y)~~ of said device ~~(y)~~ to be banished is
contained in the first ~~(MT(x))~~ or the second object ~~(UT(x))~~ of said first device ~~(x)~~,
said banish operation ~~consisting in~~ comprising removing the identity ~~(id_y)~~ of said
device ~~(y)~~ to be banished from said first ~~(MT(x))~~ or second object ~~(UT(x))~~ and
inserting said identity ~~(id_y)~~ in said third object ~~(DT(x))~~ of said first device ~~(x)~~.